

GREENVILLE TECHNICAL COLLEGE
Computer Technology Department
Associate of Applied Science Degree in Computer Technology - Programming Concentration (AAS.CPT.PRG)
2020-2021 Catalog

Student's Name:

Student ID:

Advisor:

Department Head Approval:

Course #	Name of Course	Prerequisites	Term	Grade	Credit
First Term					
COL 105	Freshman Seminar	Placement into RDG 032 or higher			3
CPT 113	Information Systems	Placement into MAT 100 and placement into RDG 100			3
CPT 257	Operating Systems	Placement into ENG 101 and placement into MAT 105 or higher			3
ENG 101	English Composition I	Satisfactory placement in writing or completion of ENG 100 and satisfactory placement in reading or completion of RDG 100, or completion of RWR 100			3
MAT 103 or MAT 109 or MAT 120 or higher college transfer math	Quantitative Reasoning, or College Algebra with Modeling, or Probability and Statistics, or higher college transfer math	MAT 105 or satisfactory placement into one of the listed MAT courses or higher math, plus placement into RDG 100 or higher			3
Second Term					
IST 220	Data Communications	Placement into ENG 101 and placement into MAT 105 or higher			3
CPT 168	Programming Logic and Design	CPT 113, CPT 257, and placement in MAT 105 or higher			3
CPT 170	Microcomputer Applications	CPT placement score or successful completion of COL 107; or placement into MAT 105 or higher and placement into ENG 101			3
CPT 209	Computer Systems Management	Placement into ENG 101 and placement into MAT 105 or higher			3
Third Term					
IST 110	Intro to Cyberspace and Cybersecurity	(CPT 257 and IST 220) or (AOT 162 and AOT 251)			3
IST 226	Internet Programming	Placement into ENG 101 and placement into MAT 105 or higher			3
SPC 205 or SPC 208 or SPC 209	Public Speaking or Intercultural Communication or Interpersonal Communication	ENG 101 or ENG 165 (same prerequisites for both courses)			3
Fourth Term					
CPT 230	C# Programming I	CPT 113 and CPT 168			3
CPT 236	Introduction to JAVA Programming	CPT 168			3
CPT 267	Technical Support Concepts	CPT 209, CPT 257, IST 220			3
IST 239 OR Technical Elective*	Datum and JavaScript OR Technical Elective *	CPT 168 and IST 226			3
IST 272	Relational Database	CPT 113 or CPT 170, Placement into MAT 109, 110. 120 or higher or college transferable math			3
Fifth Term					
CPT 231	C# Programming II	CPT 230; co-requisite IST 272 required			3
CPT 237	Advanced Java programming	CPT 236			3
CPT 264	Systems and Procedures	CPT 168 or IST 272			3
Social Science Requirement	Social Science choice				3
Sixth Term					
IST 278	Database Programming	IST 272 and MAT 105 or higher			3
CPT 275	Computer Technology Senior Project	CPT 264 and CPT 231 or CPT 237 or IST 203 or IST 204 or IST 258 or IST 191 or IST 292 or IST 294; and SPC 205, SPC 208 or SPC 209; and MAT 103 or MAT 109 or MAT 120 or higher math			3
Humanities Requirement	Humanities choice				3

TOTAL CREDIT HOURS REQUIRED FOR THE PROGRAM

72

*** Technical Electives**

Course #	Name of Course	Prerequisites	Term	Grade	Credit
IST 190	LINUX Essentials	CPT 257 and IST 220			3
IST 201	Cisco Internetworking Concepts	IST 220 and placement into MAT 105 or higher			3
IST 257	LAN Network Server Technologies	CPT 257 and IST 220			3
IST 266	Internet and Firewall Security	Co-requisite: IST 110 (required)			3
IST 293	IT and Data Assurance I	IST 110			3
CPT 283	PHP Programming I	CPT 168, IST 226, and IST 272			3